MINING APPLICATION NO. _____

Date _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN
(Other forms may be used in lieu of MR 2, provided they contain the same information)

1. Name of Applicant or Company Forminco, Inc.

2. Proposed type of operation Expanding Lime & Soil Conditionor operation

3. (a) Prior Land Use(s) Mining of Limestone, Acid Soil Mines, Fluorspar, & ~~Exploration of~~ Zeolite.

   (b) Current Land Use(s) Development planning for Green Houses.

   (c) Possible or Prospective Future Land Use(s) Geothermol & Green Houses

4. What vegetation exists on the land proposed to be affected Sage brush and Cedar trees, very small amount of scrub Oak.

   (a) Types and Estimated Percent cover or density: Poor density of Oak and Cedar Trees, Sage brush moderate to thick.

5. What is the pH range of soil before mining? 2.0 to 5.0 pH some 6.0PH
   Name of Person or Agency and method of determining pH Our laboratory Steven Gale Bektel PH Meter.

6. Site elevation above sea level 6200 to 7000'

7. In case of coal, oil shale, and bituminous sandstone:

   Principal seam(s) and thickness(es) no coal

8. Estimated duration of mining operations 20 to 30 years plus

9. Has overburden, waste or rejected materials been classified as acid or alkali producing? (X) Yes Acid. ( ) No
   Does the above material being moved have any other characteristics affecting revegetation? Yes it is helpful to Alkaline & The Lime is helpful to acid.

10. Will any underground workings or aquifers be encountered? ( ) Yes (X) No
    Describe none

    Is there an active discharge of water from abandoned deep mines on or crossing the land affected? ( ) Yes (X) No If yes, describe the quality of water being discharged. There was in past years low PH H_2O drainage caused leaching on some of our Fee Land. Hope to correct with Limestone (crushed).

11. Describe specifically a detailed procedure for:
    (a) The mining sequence
    (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
    (c) The procedure for site preparation including removing trees and brush.
    (d) The method for removing and stockpiling topsoil or disturbed materials.
    (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic materials.
    (f) A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

Specifically describe:

(a) Typical cross-section of regrading.
(b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
(c) What type of soil treatment will be utilized.
(d) The method of drainage control for the final regraded area.
(e) Maximum grading slope.

TESTING

1. Describe method for testing stability of reclamation fill material.

   Our laboratory

   Describe method for the testing of soil that is intended to support vegetation

   Our laboratory

2. Describe any soil treatment employed as an aid to revegetation

   Lime where necessary.

3. Describe surface preparation of areas intended to support vegetation:

   Regrade revegetation

REVEGETATION

1. Revegetation to be completed by:

   (X) Operator
   ( ) Soil Conservation District
   ( ) Private Contractor
   ( ) Other (specify) _____

   ( ) Hydroseeding
   ( ) Aerial Seeding
   ( ) Conventional or Rangeland Drill
   (X) Broadcast and Drag
   (X) Other If a better system applys.

2. Will Mulch be used? ( ) Yes (X) No not necessary

Type: _____ Rate/Acre _____ lbs.

3. Revegetation Plan and Schedule -

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted

4. Will affected area be subject to livestock or wildlife grazing? yes.

( ) Yes (x) No Will vegetation protection be needed? No.

5. Will irrigation be used: (x) Yes ( ) No Type where possible.

6. Describe maintenance procedures for revegetation if needed, until surety release is granted.

We will be contacting Dr. Schmitz of CalPoly or Dr. Lunt of UCLA to study the above, Failing Dr. Schmitz or Dr. Lunt a third party will be employed.

STATE OF Utah

COUNTY OF Beaver

I, Robert A. Morgan, Gen-Mgr., having been duly sworn depose and attest that all of the representations contained in the foregoing application are true to the best of my knowledge; that I am authorized to complete and file this application on behalf of the Applicant and this application has been executed as required by law.

Signed: Robert A. Morgan

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 12th day of March, 1979.

Notary Public: C V Smith

My Commission Expires: Sept. 2, 1979

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides as follows:

> "Information relating to the location, size, or nature of the deposit and marked confidential by the operator, shall be protected as confidential information by the Board and the Division and not be a matter of public record in the absence of a written release from the operator, or until the mining operation has been terminated as provided in subsection (2) of section 40-8-21."

Is confidential information contained herein?

YES _____ (Initial)

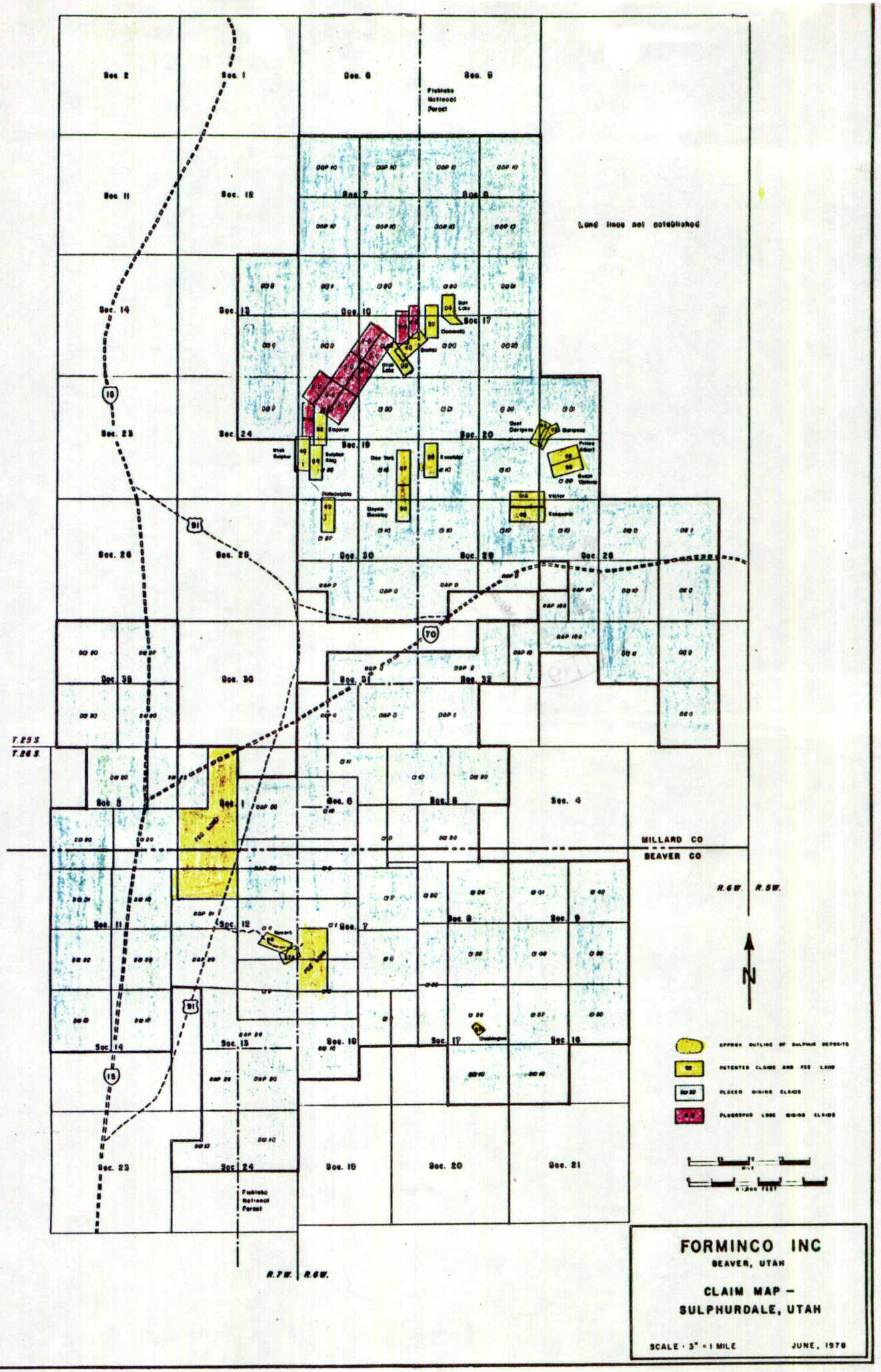
NO _____ (Initial)

Sections desired to be maintained as confidential information -

_____ _____ _____

_____ _____ _____

_____ _____ _____



FORMINCO INC

BEAVER, UTAH

CLAIM MAP – SULPHURDALE, UTAH

SCALE - 3" = 1 MILE

JUNE, 1978


RECEIVED
MAR 14 1979
STATE OF UTAH
Division of Oil, Gas
& Mining